AVATION

The Oldest American Aeronautical Magazine

MARCH 30, 1929

Issued Weekly

PRICE 20 CENTS



VOLUME

Special Features

Blind Flying Instruction in France Detroit's All-American Aircraft Show The New Zeppelin Plant at Akron Airport

McGRAW-HILL PUBLISHING COMPANY, INC.
TENTH AVENUE AT 36TH STREET
NEW YORK, N. Y.

Entered as second class matter July 27, 1928, at the post office at New York, N. Y., under the

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including the Schreeder Cap and Political Troples rocers. Then he went to Chooce-Vought and now n Berliner-Joyce Chief of Design Earl P Others (Brasselser Philosopheid is in change of Squartures. He was in charge of the As factory superincendent, Thon E. Pell (Lelaph United brings a wealth of congressor, from the areas responsibility with the Naval Agreeaft Factors at Philodelphia.

Henry Berliner (Moss Jun. Tech.) was the desurger and hashler of the Reviews believester and managlant and providest of the shoothed Building

Arrardt Company. He becomes Flor-President Townste N. Lewes (Body, Poly, and Labor), Flate 5 type of plane constructed by the Albed and Central Powers, Later Washington representative Gathering this traft unascal technical and

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And with the steady increase in WACO thow . . . or send for descriptive literature. Check the specifications. Comrales, has come expansion of production page the performance. Evaluate the (solities and programs aconomies which have been reflected in continually atentinvisibles" which are the proof of You will find airplanes cheaper than The latest WACO models, to be idea,

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War Pilots

DURING the late war there were between too and crimmey, or a certise associat of expension is the six

To been with, the resising places were a hit difficult

As a result, the war relots have been so engaged in to "Yight" the controls he now sits back and "lets her

No. 13

Safety Belts

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Detroit's All-American Aircraft Show

By JOHN T. NESSEA CETTING a new and highly pleasing pracedest in the groupest. Three will include important constant by the Clicier Association, and a number of additional occupan-

hebiting a total of 100 agralance, or



Mayor John C Ledge, of Degrat, the Detroit 451-downers directly

tion Work. All of Assertes has been justed by the source arrested these of the children of today, the Committee to purficipate as observing this todate to the seon versions. to create the attention of the city's 200,000 school children Avening Club, of South Bend, Ind., alone, has notified A M goff 1030 P M, encor on Seturday (opening the Committee it will spower the flight to Detroit of

exhibition in the Show are an Indicate posters prepared by the Cornums. In addition, 24 of Show programativ located in their lobbins. arranged with the connection of three Decree radio surranges Field, the 107th Observation Squadrop, Michiga Na-

a feature that accompanies the rapidity with which the Berliner "Drugon' monoplane, the Colvine grenthism. liberon the Hess "Warray"? reliefer entire and room

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nestal, Curton, Dayton, Jupane, Le



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As the is writen the arrests exhibitors, wat then exhibit and the man desposed to be in charge of the Agent Arrests Comoration, Rockford, Ill. One olare Length, 23 ft. Cherd, 6 ft. Height, 6 ft. A / Zenorg Service, Vandents, Mich., Four Wass bedaper (essen-

Aleccador Aircraft Company, Denven. By Krapp 7 in Least, 21 ft 1 in Chard, 6 ft. 3 in Height, 7 ft. 4 in. Wifes E. Kyane

> Havelack, Neb. By Fin Flying Service, Ann Arbor, Mich. Our plane is Height, 6 ft 1f in Leocard

philton, J. Lenning Callan

Show Conneitte of the Detroit Henry A Heckser-Beeing Airplane Co., Search Wash. One place. One Borray Mad Bahl Arcreft Co., Maryerda, Mich. There of one One Ball Sport, three-passages alsoed supprishans

Butler Aircraft Corp., Kansas City, One plane. No. Carbline Aircraft Corp., Detroit. One plant. One four

32 ft. Chent, 105 in. Haight, 11 ft. H. G. McCerroll Spen, 50 ft 7 m Length, 36 ft 7 in Height, 8 ft 11 in. Chapte Vourte Corp., Lour Island City, N. Y. One. plane. One Vengle Cersair (02U) two passenger open



The Keystone 20 passenger transport monations, "Pairstoplace, Space, 36 ft. Length, 30 ft. Chord, 5 ft 4 in Cammand-Arrs. Inc., Little Rock, Ark. Two planes

fr. Length, 29 ft 6 in Chard, 6 ft 6 m Hoghs, 11 is. Carries Rebesture Applicae Co., Sr. Logic. By Certina 71 ft 8 is Leagth, 40 ft 3 in Height, 13 ft 10 in Ose Curim "Thresh," four place cable monoplane. (No Specifications is stations of C. V. Different.
Davis Aircraft Corp., Richmond, Ind. One plane. One
Davis "Red Head." two plane over moneyolane. Some. 30 ft. Length, 18 ft. Cheed, 5 ft. Height, 6 ft. Cape.

Deule Arm Corn. Baltanore, Md. Out plane. One "Origin," two place com mussolere. Some, 30 ft. Length, 29 ft. Cheed, S is. 2 is. Height, 7 ft. 11 on. Hervey. Throng Alessah Corn., Landar, Mich. Two player, One "Seytack," two place open leplane Span, 32 ft. Length, 22 ft. Chord, 44 m. Haghe, 7 ft. Care "Coupe," two place cable toplane. Spen, 28 fr. Length, 23 ft. Chord, J it. 8 in. Height, 8 ft. Fasteur Aistraft Corn. Detroit One plane, One "Sea

25 ft Chard, 5 ft, 8 in, Height, 7 ft 8 in, Fames H. Exaction Aireless Mile Co. New York City, Three vices. One Paintill "71," sever since cults removable Char Fairchild "21," two place open managhine Spira, Span, 36 ft. Length, 25 ft. Halghe, 8 ft. A. A. Wood-Polder: Aircraft Com., New York City. Three planes.

Span, 79 ft 3 m Lewith, 80 ft Height, 12 ft, 8 m. One F-11 amphibian "Bying yacht." Blight passenger General Airpleses Corp., Seffula. One place. One Gliders, Inc., Orion, Mich. One elider. One place

One Martin "76," on place cobes beplease. Sport, 53 ft. Length, 34 ft 8 in Cherd, 6 ft 7 in Houte, 14 ft. 10 St. Haght, 10 ft. 6 ss. C. R. Knadeen. Heath Airplane Company, Chengo, Ht. Two planes. One Heath "Sunse-current," our place communication. Invinctité Metal Fornitus Co, Maritowac, Wa One clase One four slate doned "Insmedité" monoilee. Sonz, 38 ir. Leorth, 25 it 4 is. Cherd, 6 it 5 is. Hight

Restance Astronic Corp. (Lorning Division), New York City. Entry not designated Stanley N. Jacques KN-L four class closed bydage, Saug, 33 ft 6 in Length. 23 ft. 10 in Chord, 65 in Hellet, 9 ft. 4 in H. P. Keelder-Ressure Alexade Co., Harvestown, Md., Turn 23 to 2 in. Heiste, 9 to 8 in. By Stronger, Inc. Hillet

Kreatter Aircraft Corn., Les Angeles One plane. One

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The American Marchetti S.St. a three encourage graphsmonophuse. Sour, 46 ft. 10 in, Leagth, 35 ft. Chord, Hoght, 9 ft 6 in. Lieut, Berry H. Ogden. E. M. Laird Aleslane Co. Cleaners Two clanes. Oce. with mum 34 ft. Length, 25 ft. Second with sour, 28 ft. Liscoln Aircraft Corp., Lincoln, Neb. One plane. One

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place with Warner entire). One Cabinaire, some dance-Parks Algoraft, Inc., St. Louis One place. One Parks. four passenger, closed municians. Span, 45 ft, Leagth, Proxite Aviston, Inc., Philadelphia Two planes One "Super Matheing," open loplant, for print only. Span, 35 ft Length, 27 ft. 10 in. Chord, 54 in. Height, 9 ft Rosewin Aurphon Co., Solten, Xino One phase One Rearway, three place open bullage. Sons, 35 is. Length, Lockheed Alzeraft Co., Los Angeles By Sablee-Beach Arrendt Cerp., Detroit. Two phrats. One Leadhest 0: 6 in. Length, 27 ft 6 in. Chard, 7 in. 6 in. Height,

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man Challenger, 3 place open tiplane. Span, 30 fz. Longth, 23 fr. 2 in Houte, 9 ft 8 m. Our Strargar. Stesson Jamer, 4 place cabin resmophare. Sours. 41 ft. St Louis Aircraft Corp., St Louis. One place. One Stort Metal Arribac Co (Dromos of Ford Motor Conpany, Detroit.) Two planes. No specifications. Smallew Arrylane Co., Wichita. Two planes. (Specifirations not appliable.) General R. Basseri Swift Agoraft Co., Wichita Two olanes One Swift

Whatlesey Mig. Co., Besignoort, Cong., Three planes One Avro Avise, 2 place open highere. Spen, 28 ft.

Leagth, 24 is Height, 8 ft. 6 m. One Whittienry Avian, 2 place open hiplane One Avro Avian Centelidated Alveraft Corp., Buffalo, N. Y. Two planes. One Consolidated biolane. One Fleet highing.

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Blind Flying Instruction in France

By HENRY I. WHERE F law the question of blind flying has been a much conditions. It seem be resemblered that surfacest wascreasess, paracidarly the "Hight Industor" (indicator Other sucrements are aversally arranged, with a hornable the pilot to love informed of his programmed position. (apple of Photage was Vischilde Externists). The urboni

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The New Zeppelin Plant at Akron Airport





Aeronautical Training at Detroit University

By JAMES R. CUSTER

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Installation and Care of Aircraft Engines

By J. H. Gesse Need Arcel Super-180M, 50 to 500 for between concluded in the yard-gine being received, a competent foreign about to an automatic the solution we can measure the improvement in the work to measure the competent foreign about to be an a

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averted the crisis. Unless men are being sunfound who

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Maximum Safety Planes

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Crawford Monoplane

A NEW transport plane was recent, some Beach, test flows inne Convinci Aspert, Scal Beach,

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Consolidated XPV-1 Boot "T" HE XPY-I pared box, bull for the New by the Consolidated Arcraft Corp., Beffalo, N.Y., under a

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Trade Tips

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